



PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

Application Number	10/030.392
Filing Date	01/02/2002
First Named Inventor	M. Hanna et al.
Art Unit	
Examiner Name	Unassigned
Attorney Docket Number	0112.00

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code 2 (if known)				
AV	AA	US-4,328,107		05/04/1982	Wright	
AV	AB	US-4,361,285		11/30/1982	Koppehele et al.	
AV	AC	US-4,582,731		04/15/1986	Smith	
AV	AD	US-4,702,799		10/27/1987	Tuot	
AV	AE	US-4,737,384		04/12/1988	Murthy et al.	
AV	AF	US-4,919,853		04/24/1990	Alvarez et al.	
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AV	AI	US-4,977,785		12/18/1990	Willoughby et al.	
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AV	AL	US-5,106,659		04/21/1992	Hastings et al.	
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AV	AN	US-5,229,486		07/20/1993	Paul et al.	
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AV	AP	US-5,548,004		08/20/1996	Mandel et al.	
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AV	AR	US-5,639,441		06/17/1997	Sievers et al.	
AV	AS	US-5,707,634		01/13/1998	Schmitt	
AV	AT	US-5,708,039		01/13/1998	Daly et al.	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code 3	Number ⁴ - Kind Code ⁵ (if known)				
AV	AX	DE	4041563	06/25/1992	Schwarz Pharma AG		
AV	AY	DE	1078283	03/24/1960	F. Aktiengesellschaft		
AV	AZ	EP	0322687	05/05/1993	W. Fischer		
AV	BA	EP	0542314	05/19/1993	P. Debenedetti		
AV	BB	JP	1-176437	07/12/1989	T. Tauchi		
AV	BC	JP	5-57166	03/09/1993	K. Kitagawa		
AV	BD	WO	90/11139	10/04/1990	K. Nielsen		
AV	BE	WO	90/03782	04/19/1990	W. Schmitt		
AV	CP	GB	2322326	08/26/1998	Bradford Particle		
AV	CO	WO	95/21688	08/17/1995	W. Eckhard et al.		

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2/9/04

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/030,392
		Filing Date	01/02/2002
		First Named Inventor	M. Hanna et al.
		Group Art Unit	
		Examiner Name	Unassigned
		Attorney Docket Number	0112.00
Sheet	3	of	6

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
UC	BF	DEBENEDETTI ET AL., "Application of Supercritical Fluids for the Production of Sustained Delivery Devices," J. Cont. Rel. No. 24, p. 27-44 (1993).
UV	BG	DIXON ET AL., "Polymeric Materials Formed by Precipitation with a Compressed Fluid Antisolvent," AIChE J., Vol. 39 (No. 1), p. 127-139 (1993).
EU	BH	TOM ET AL., "Applications of Supercritical Fluids in the Controlled Release of Drugs," ACS Symposium Series, Supercritical Fluid Engineering Science Fundamentals and Applications, Chpt. 19, p. 238-257 (1993).
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UV	BK	TOM ET AL., "Particle Formation with Supercritical Fluids - A Review," J. Aerosol Sci., 1st Ed. Vol. 22 (No. 5), p. 555-584 (1981).
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UV	BO	STAHL ET AL., "Dense Gas Extraction on a Laboratory Scale: A Survey of Some Recent Results," Fluid Phase Equilibria, No. 10, p. 269-278 (1983).
UV	BP	DILL ET AL., "Denatured States of Proteins," Annu. Rev. Biochem, No. 60, p. 795-825 (1991).

Examiner Signature		Date Considered	2/9/04
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		First Named Inventor	M. Hanna et al.
		Group Art Unit	
		Examiner Name	Unassigned
		Attorney Docket Number	0112.00
Sheet	4	of	6

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ue	BQ	O'CALLAGHAN ET AL., "Novel Method for Detection of (B)-Lactamases by Using a Chromogenic Cephalosporin Substrate," Antimicrobial Agents and Chemotherapy, Vol. 1 (No. 4), p. 283-288 (1972).	
ue	BR	JUNG ET AL., "Particle Design Using Supercritical Fluids: Literature and Patent Survey," J. of Supercritical Fluids, Vol. 20, p. 179-219 (2001).	
ue	BS	BLEICH ET AL., "Aerosol Solvent Extraction System - A New Microparticle Production Technique," International J. of Pharmaceutics, Vol. 97, p. 111-117 (1993).	
ue	BT	CHANG ET AL., "Separation of B-Carotene Mixtures Precipitated from Liquid Solvents with High-Pressure CO ₂ ," Biotechnol. Prog., No. 7, p. 275-278 (1991).	
ue	BU	GALLAGHER ET AL., "Gas Anti-Solvent Recrystallization of RDX: Formation of Ultra-fine Particles of a Difficult-to-Comminute Explosive," The J. of Supercritical Fluids, No. 5, p. 130-142 (1992).	
ue	BV	MATSON ET AL., "Production of Powders and Films by the Rapid Expansion of Supercritical Solutions," J. of Materials Science, No. 22, p. 1919-1928 (1987).	
ue	BW	MOHAMED ET AL., "Solids Formation After the Expansion of Supercritical Mixtures," Supercritical Fluid Science and Technology, Chapter 23, American Chemical Society, p. 355-378 (1989).	
ue	BX	BARJ ET AL., "Submicronic MgAl ₂ O ₄ Powder Synthesis in Supercritical Ethanol," J. of Materials Sci., No. 27, p. 2187-2192 (1992).	
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ue	BZ	FRANCIS, "Ternary Systems of Liquid Carbon Dioxide," J. of Physical Chemistry, Vol. 58, p. 1099-1114 (1954).	
ue	CA	YEO ET AL., "Formation of Microparticulate Protein Powders Using a Supercritical Fluid Antisolvent," Biotechnology and Bioengineering, Vol. 41, p. 341-346 (1993).	

Examiner Signature		Date Considered	2/9/04
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	of	First Named Inventor	M. Hanna et al.
	6	Group Art Unit	
		Examiner Name	Unassigned
		Attorney Docket Number	0112.00

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
RU	CB	RANDOLPH ET AL., "Sub-Micrometer-Sized Biodegradable Particles of Poly (L-Lactic Acid) via the Gas Antisolvent Spray Precipitation Process." Biotechnol. Prog. Vol. 9, No. 4, p. 429-435 (1993).
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RU	CE	CYGNAROWICZ ET AL., "Design and Control of a Process to Extract B-Carotene with Supercritical Carbon Dioxide." Biotechnol. Prog. Vol. 6, p. 82-91 (1990).
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RU	CG	LOTH ET AL., "Properites and Dissolution of Drugs Micronized by Crystallization from Supercritical Gases." International J. of Pharmaceuticals, Vol. 32, p. 265-267 (1986).
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RU	CL	PHILLIPS ET AL, "Rapid Expansion from Supercritical Solutions: Application to Pharmaceutical Processes," International J. of Pharmaceutics, Vol. 94, p. 1-10 (1993).

Examiner Signature	<i>[Signature]</i>	Date Considered	2/9/04
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(use as many sheets as necessary)		Group Art Unit	
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
CO	CM	CHANG ET AL., "Precipitation of Microsize Organic Particles from Supercritical Fluids," AIChE Journal, Vol. 35, No. 11, p. 1876-1882 (November 1989).
W	CN	MATSON ET AL., "Rapid Expansion of Supercritical Fluid Solutions: Solute Formation of Powders, Thin Films and Fibers." Ind. Eng. Chem Res., Vol. 26, p. 2298-2306 (1987).
W	CO	STENGERS ET AL., "Carbon Dioxide at its Critical State," Chemical & Engineering News, June 10, 1968.

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